

## MAIN INSTALLATION CHECKLIST

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

Operator: PEOPLES GAS LIGHT AND COKE CO.	Operator ID#: 15329
Inspection Date(s): 4/1/2014, 4/2/2014, 4/3/2014	Man Days: 3
Inspection Unit: North Shop	
Location of Audit: Chicago	
Exit Meeting Contact: John Findley	
Inspection Type: Design Testing and Construction	
Pipeline Safety Representative(s): Steve Canestrini	
Company Representative to Receive Report: Tom Webb	
Company Representative's Email Address: TJWebb@peoplesgasdelivery.com	

CONSTRUCTION INFORMATION		
Location of Construction: 4400 block of North Lockwood, Chicago.	Construction Performed By: Michels Construction	
Contractor Foreman:		
Operator Inspector:		
Person(s) On Job Site		
Phil Harrison	Russ Orent	Jay Floyd
Jorge Barraza	Lance Seppe	Fernando Herrera
Steve Bianchitta	David Lee	Jon Pocius
Imran White	Ken Woodruff	
Description of Construction: Michels Construction was installing an 18" high density PE main using an open trench.		

MAIN INSTALLATION	Status
<p><b><u>Category Comment:</u></b></p> <p><i>As the fusion operator was preparing to perform a butt fusion, Staff identified gouges on the heating plate that was going to be used. It was brought to the fusion operator's attention. The fusion operator attempted to use a second heating plate, but that plate also had gouges. The fusion operator then went back to their shop to obtain refurbished plates. When Staff observed these plates that had not yet been used, deep gouges were also present.</i></p> <p><i>Staff's concern is there were two qualified fusion operators working on the fusion equipment, an O.Q. inspector from the contractor, and a PGL inspector on the job site. Ensuring the equipment is in proper working condition is part of the daily inspection that is to be performed, along with two inspectors who could or should have seen the defects in the equipment. And yet, the fusion operators were ready to use the defective equipment to perform a fusion. The inspector is on the job site to ensure the contractor is following Peoples Gas procedures to ensure quality work is being performed. Peoples Gas has given the inspector the authority to stop a job. However the inspector must be willing use that authority to stop the job until the issue(s) has been resolved. There is also a concern about the quality of refurbished heating plates that are being supplied by the manufacturer.</i></p>	
[192.55]	No

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[192.59]	PE	Yes
[192.59]	Other	No
[192.5]	Class location :	4
[192.619,192.621,192.623]	MAOP	25
[192.63]	Pipe Size :	8"
[192.55,192.59]	Specification :	PE 3408/4710
[192.55,192.59]	Manufacturer :	DriscoPlex
[192.55,192.59]	Pipe Grade :	D2513
[192.55,192.59]	Wall Thickness :	0.625
[192.63(a)(2)]	Are pipe, valves, and fittings properly marked for identification?	Satisfactory
<b><u>General Comment:</u></b> <i>Observed various fittings and pipe. All were properly marked for identification.</i>		
[192.227]	Date of Welder qualification:	Not Applicable
[192.227]	Welder's Name:	Not Applicable
[192.225,192.275,192.277,192.279,192.283]	Is pipe joined in accordance with approved written procedures?	Not Checked
<b><u>General Comment:</u></b> <i>Due to issues identified with the fusing equipment, no fusing was performed.</i>		
[192.285]	Date of Plastic Joining Qualification :	12/18/13
[192.285]	Joiner's name:	David Lee
[192.455]	Is buried metallic pipe coated?	Not Applicable
<b><u>General Comment:</u></b> <i>PE main installation.</i>		
[192.461]	Does coating meet 192.461?	Not Applicable
<b><u>General Comment:</u></b> <i>PE main installation.</i>		
[192.455(a)(1)]	Is cathodic protection being provided?	Not Applicable
<b><u>General Comment:</u></b> <i>PE main installation.</i>		
[192.455(a)(1)]	Is cathodic protection being provided? By Anodes:	No
[192.455(a)(1)]	Is cathodic protection being provided? By Rectifier:	No
[192.461(c)]	Is coating inspected just prior to being installed in the ditch?	Not Applicable

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<b><u>General Comment:</u></b>		
<i>PE main installation.</i>		
[192.467]	Are pipelines electrically isolated from other underground metallic structures?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>PE main installation.</i>		
[192.479]	Are above ground facilities cleaned and coated or jacketed as needed?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>All facilities being installed were below ground.</i>		
[192.303]	Are comprehensive written construction specifications available and adhered to?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The foreman and inspector have the specifications available on site.</i>		
[192.305]	Are inspections performed by the operator to check adherence to the construction specifications?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>There was a company inspector on site.</i>		
[192.307]	Is material being visually inspected at the site of installation to ensure against damage that could impair its serviceability?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Did observe the fusion operator inspect the pipe while preparing the pipe to be fused.</i>		
[192.319]	Is ditch back-filled to provide firm support and prevent damage to pipe or coating?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The section of the ditch that was visible had a sand base to prevent damage to the pipe.</i>		
[192.321(c)]	Is plastic pipe installed as to minimize shear and tensile forces?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The main was installed in an open ditch.</i>		
[192.321(e)]	Does plastic pipe have means of locating while underground?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>A locate wire was installed next to the main in the ditch.</i>		
[192.325]	Are required clearances from underground structures being maintained?	<b>Satisfactory</b>

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<b><u>General Comment:</u></b>		
<i>Did observe where the main would cross an existing gas and water main. The contractor was allowing for the clearances in anticipation of the new main.</i>		
[192.327]	Is required cover being obtained appropriate to type of pipeline and location?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The main was approximately 38" in depth.</i>		
[192.503]	Are general testing requirements being met?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>The main was not being tested at this time. It was in the process of installation.</i>		
[192.517]	Are records being made of strength and leak tests?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>The main was not being tested at this time. It was in the process of installation.</i>		
[192.807]	Were covered employees Operator Qualification records reviewed to ensure qualification?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Reviewed the OQ records for the employees on the job site. All were qualified in the tasks being performed.</i>		
[192.805(c)]	Were non-qualified personnel being "directed and observed" by a qualified individual?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>All the employees on the job site were qualified.</i>		
[192.805(c)]	Were span of control limitations being followed?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>All the employees on the job site were qualified.</i>		
Was a Protocol 9 (Form 15) Completed?		<b>No</b>
[192.614]	Were One Call Notifications performed as required?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Reviewed the dig and permit for the job. Both were valid for the dates and location.</i>		
[192.614]	Dig Ticket #	<b>458414859</b>

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